

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1459

Effective October 1, 2011

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **June 2013**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series C3100 Aluminum Fixed Window, Individual, Non-Impact Resistant manufactured by

Columbia Commercial Building Products

**1200 E. Washington Street
Rockwall, Texas 75087-4717
Telephone: (972) 771-7100**

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series C3100 window is an aluminum fixed window. The aluminum fixed window evaluated in this report is an individual, non-impact resistant window. This evaluation report is for an aluminum fixed window based on the following tested construction:

General Description:

System	Description	Label Rating
1	Series C3100 Aluminum Fixed Window; Individual; (O)	FW-HC85 72 x 72

Product Dimensions:

System	Overall Size
1	72" x 72"

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	IG-1	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The fixed lite contains a sealed insulating glass unit. The sealed insulating glass unit is comprised of two lites of $\frac{1}{4}$ " annealed glass lite separated by a spacer system. The glass thickness used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass unit is interior glazed with a wedge gasket and aluminum glazing bead at the interior of glass and two sided foam tape at the exterior of glass.

Frame Construction: The frame members are manufactured of extruded aluminum. The frame corners are coped, butted, and fastened with four (4) screws at each corner. The frame members are thermally broken.

Sash Construction: N/A

Hardware: N/A

Reinforcement: None.

Product Identification: A certification program label (NAMI) will be affixed to the window. The certification program label shall include the manufacturer's name (**Columbia Commercial Building Products**); the product name (**C3100 Aluminum Fixed Window**); performance characteristics; the approved inspection agency (NAMI); and the applicable standards: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures:

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	72	72	±80

Impact Resistance: These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Acceptance of Smaller Assemblies: Windows assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The window assembly shall be installed in accordance with the manufacturer's installation instructions and this product evaluation. Detailed drawings and installation instructions are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Southern Pine dimension lumber. The window shall be secured to the wall framing using the frame of the window with minimum No. 12 x 3" screws. The fasteners shall be located approximately $3\frac{1}{2}$ inches from each corner and approximately 12 inches on center along the perimeter of the window.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.